

# Preface of the “Symposium on Numerical Optimization and Applications”

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Numerical Optimization and Applications Symposium emphasizes modeling, theory and study of numerical algorithms for optimization. Optimization is an important tool in decision science and in the analysis of physical systems. Because of the wide and growing use of optimization in science, engineering, economics, finance and industry, it is important to develop an understanding of optimization algorithms. Knowledge of the capabilities and limitations of these algorithms leads to a better understanding of their impact on various applications, and points the way to future research on improving and extending optimization algorithms and software.

Our goal in this session is to illustrate some modern optimization techniques in our days, by presenting efficient methods to solve different type of optimization problems.

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